

2393-264

05/06/1974

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ACCEPTED

MAY 6 1974

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND ROBOTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 2393-264

Hopkins

MALATHION 25% W.P.

A WETTABLE POWDER

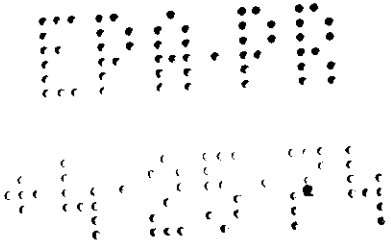
CONTAINS

CYTHON

INSECTICIDE

THE PREMIUM GRADE MALATHION

REGISTERED TRADEMARK OF AMERICAN CYANAMID COMPANY



ACTIVE INGREDIENT: Malathion (O,O-dimethyl dithiophosphate of diethyl mercaptosuccinate)

INERT INGREDIENTS:

25%
75%
TOTAL 100%

EPA REG. No. 2393-264
EPA Est. 2393-WI-1

CAUTION

KEEP OUT OF REACH OF CHILDREN

HARMFUL IF SWALLOWED. Avoid breathing dust or spray mist. Avoid contact with skin. Wash thoroughly after using. Avoid contamination of feed and food.

NOTE TO PHYSICIAN: Malathion may cause cholinesterase inhibition. ATROPINE IS ANTIDOTAL. 2-PAM IS ALSO ANTIDOTAL WHEN ADMINISTERED IN CONJUNCTION WITH ATROPINE.

OBSERVE THE FOLLOWING USE PRECAUTIONS

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service. This product is toxic to fish. Keep out of lakes, streams and ponds. Do not contaminate any body of water, by direct application, cleaning of equipment or disposal of wastes and containers. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label.

In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damages caused by drift from his property to that of others.

Read all label directions before using. Use only for claims listed and only as specified on the label.

Consult State Agricultural Extension Service or State Agricultural Experiment Stations for additional information, as the timing and number of applications needed will vary with local conditions.

Do not reuse empty container. Destroy it by burying with waste or burning. Stay away from smoke or fumes.

DIRECTIONS FOR USE

Measure the specified amount of this product then wash through filler screen in nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not allow mixture to stand. Do not use in low volume gear-type spray equipment. Do not combine with emulsifiable liquids unless previous use of the mixture has proven physically compatible and safe to plants. Emulsifiable concentrates should always be thoroughly emulsified with at least half of total water before adding this product.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (The actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are therefore intended to cover a broad range of conditions.)

CROP	GAL. WATER/ACRE	
	AIRCRAFT	GROUND
Vegetable and Field Crops	5-20	10-125
Orchard, Grapes	10-25	
Orchard Crops (See Exceptions Below)		300-800
Citrus		500-3000
Grapes		100-200

MIXING SMALL QUANTITIES - For mixing small quantities use 1 tablespoonful of 25% wettable powder per gallon for each pound used per 100 gallons.

RECOMMENDATIONS FOR USE

Maximum permissible rate, expressed as Malathion 25% W.P. per acre is given in parenthesis (), after each crop claim.

VEGETABLE, FIELD AND FORAGE CROPS

Rates are given in pounds of Malathion 25% W.P. per acre for use in sufficient water to provide thorough coverage. Also read Directions for Use.

ALFALFA: Armyworms-3 lb. Make full coverage application when larvae are small. Do not apply to alfalfa in bloom. May be applied up to day of harvest.

BEANS (Lima, Green, Snap, Navy, Red Kidney, Wax, Cowpeas, Blackeyed Peas): Aphids, cucumber beetles, Japanese beetle-5 lb. Make 2 or more applications as needed. Do not apply within 1 day of harvest.

CLOVER: Aphids, grasshoppers, leafhoppers, mites-4 lb. Do not apply to clover in bloom. May be applied up to day of harvest.

COLE CROPS (Broccoli, Brussels sprouts, Cabbage, Collards, Dandelions, Kale, Kohlrabi, Mustard greens, Parsley, Swiss chard, Turnips, Watercress): Aphids-2 lb. Caterpillars on broccoli, Brussels sprouts, cauliflower and collards-5 lb. Flea beetles on mustard greens-4 to 5 lb. Do not apply within 3 days of harvest for broccoli and turnips; 21 days for parsley; 7 days for all others.

CUCUMBERS: Cucumber beetles-7 lb. Pickleworms-6 lb. Do not apply unless plants are dry. Do not apply within 1 day of harvest. (7 lb.)

GRAIN CROPS (Barley, Corn, Oats, Rye, Wheat): Cereal leaf beetle-3 to 4 lb. Do not apply within 5 days of harvest for corn; 7 days for all others.

GRASS CROPS (Grass and Grass Hay): Aphids, leafhoppers-2 lb. Armyworms-3 lb. when larvae are small. May be applied up to day of harvest.

LETTUCE: Aphids, leafhoppers-5 lb. Do not apply within 7 days of harvest for head lettuce; 14 days for leaf lettuce.

ONIONS: Onion maggot-6 lb. Thrips-4 lb. Do not apply within 3 days of harvest on green onions. May be applied up to day of harvest on other onions.

PEANUTS: Thrips-4 lb. May be applied up to day of harvest. (4 lb.)

PEPPERS: Aphids-2 lb. Pepper maggot-6 lb. Do not apply within 3 days of harvest.

POTATOES: Aphids, leafhoppers-2 1/2 lb. Colorado potato beetle-4 lb. May be applied up to day of harvest.

SOYBEANS: Mexican bean beetle-6 to 8 lb. May be applied up to day of harvest. (8 lb.)

SQUASH: Cucumber beetles, squash vine borers-7 lb. Do not apply unless plants are dry. Do not apply within 1 day of harvest. To control squash vine borers, apply full coverage spray weekly to stems and vines at base of plants.

SUGAR BEETS: Aphids, spider mites-5 lb. Grasshoppers-8 lb. Do not apply within 3 days of harvest. (8 lb.)

TOMATOES: Aphids, spider mites-2 lb. Tomato russet mite-2 to 4 lb. Drosophila-6 lb. Do not apply within 1 day of harvest.

FRUIT AND NUT CROPS

Unless otherwise specified for specific crops, rates are given as pounds of Malathion 25% W.P. (and superior spray oil) per 100 gals. of water for thorough coverage sprays. (Also read Directions For Use.)

APPLES (Dormant and Delayed Dormant Sprays): Aphids (green apple, rosy apple and woolly apple), mites and red-banded leaf roller-2 lb. plus 1 gal. superior oil per 100 gal. of water. Make full coverage sprays only; scales (Forbes Putnam and San Jose)-3 lb. plus 2 gal. superior oil. Make full coverage sprays only. (60 lb.)

APPLES: Bud moth, green apple aphid, woolly apple aphid, leafhoppers, unspotted tentiform leaf miner and yellow-necked caterpillars-2 lb.; rosy apple aphid, mealy bug, Forbes scale-2 1/2 lb.; Putnam and San Jose scales-2 to 2 1/2 lb.; tent caterpillars-2 1/2 to 4 lb.; bagworm-3 lb. May injure foliage on some varieties. Do not apply within 3 days of harvest. (60 lb.)

APRICOTS: Aphids, codling moth, orange tortrix, soft brown scale and terrapin scale-4 lb. Do not apply within 7 days of harvest. (40 lb.)

CHERRIES (Dormant and Delayed Dormant Sprays): Aphids-2 lb. plus 1 gal. superior oil per 100 gal. of water. Scale insects-3 lb. plus 2 gal. superior oil per 100 gal. water. Make full coverage sprays only. (32 lb.)

CHERRIES: Black cherry aphid, bud moth, cherry fruit fly-2 lb.; scales (Forbes and San Jose)-2 to 2 1/2 lb. Injury may occur on certain varieties of sweet cherries particularly in the Northwest. Do not apply within 3 days of harvest. (32 lb.)

CITRUS (Grapefruit, Lemon, Limes, Oranges, Tangerines, Tangelos, Kumquats): Scales (Black [single and off-brood], California red, citricola, purple, soft and yellow)-2 1/2 to 3 1/2 lb. Scales (Florida red and purple-light and medium infestations)-3 to 5 lb. Consult local spray schedules for recommended volumes of spray per acre. Green citrus aphid, thrips-1 to 2 lb. Do not apply within 7 days of harvest. (100 lb.)

GRAPES: Leafhoppers-1 to 1 1/2 lb.; Japanese beetle-2 lb. Injury may occur on grapes of Ribier, Italia, Cardinal and Almeria varieties when applied after clusters appear. Do not apply within 3 days of harvest. (11 lb.)

NECTARINES: Mites-2 1/2 lb.; Parlatoria scale-2 lb. plus 1 gal. light-medium oil (Caution: Apply this mixture only in petal fall period); Plum curculio-3 lb. May cause fruit spotting. Do not apply within 7 days of harvest. (40 lb.)

PEACHES (Dormant and Delayed Dormant Sprays): Aphids-2 lb. plus 1 gal. superior oil; peach twig borer and scale insects-3 lb. plus 2 gal. superior oil. Make full coverage sprays only. (36 lb.)

PEACHES: Aphids (black cherry, black peach, green peach and rusty plum), Japanese beetle-2 lb. Mites (European red, two-spotted) and scales (cottony peach, terrapin)-2 to 2 1/2 lb. Oriental fruit moth and plum curculio-3 lb. Do not apply within 7 days of harvest. (36 lb.)

PEARS: Aphids (Apple, apple grain)-2 lb.; mealybug, mites, pear psylla and scales (Forbes and San Jose)-2 to 2 1/2 lb.; codling moth, fruit tree leaf roller, plum curculio and red-banded leaf roller-3 lb. Do not apply within 1 day of harvest. (60 lb.)

PEARS (Dormant and Delayed Dormant Sprays): Aphids, leaf rollers and pear psylla-2 lb. plus 1 gal. superior oil; Scale insects-3 lb. plus 2 gal. superior oil. Make full coverage sprays only. (60 lb.)

PLUMS AND PRUNES (Dormant and Delayed Dormant Sprays): Aphids-2 lb. plus 1 gal. superior oil; scale insects-3 lb. plus 2 gal. superior oil. Make full coverage sprays only. (40 lb.)

Mealy plum aphid-1 lb.; bud moth (prunes only)-2 lb.; mites (European red and two-spotted)-2 to 3 lb. Do not apply within 3 days of harvest. (40 lb.)

CANE BERRIES (Blackberries, Boysenberries, Dewberries, Loganberries and Raspberries): Mites, leafhoppers, thrips-2 lb.; Japanese beetle-4 lb.; Aphids and rose scale-7 lb.; Sap beetle on raspberries-4 to 5 lb. Do not apply within 1 day of harvest. (18 lb. for raspberries; 16 lb. for all others.)

STRAWBERRIES: Strawberry root weevil-4 to 6 lb.; Apply to soil surface before planting and work into top 6 to 8 inches. Aphids, spider mites-2 1/2 lb.; potato leafhopper, strawberry leaf roller and whiteflies-4 to 6 lb.; field crickets, lygus bug, spittlebugs and thrips-4 to 8 lb. Do not apply within 3 days of harvest. (8 lb.)

PECANS: Aphids, spider mites-2 to 3 lb.; pecan bud moth, pecan leaf casebearer, pecan nut casebearer, pecan phylloxera-3 lb. May be applied up to day of harvest. (50 lb.)

NOTICE OF WARRANTY

Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

NET WEIGHT

Hopkins Agricultural Chemical Co.

50 POUNDS

HACCO 374

Madison, Wisconsin 53701